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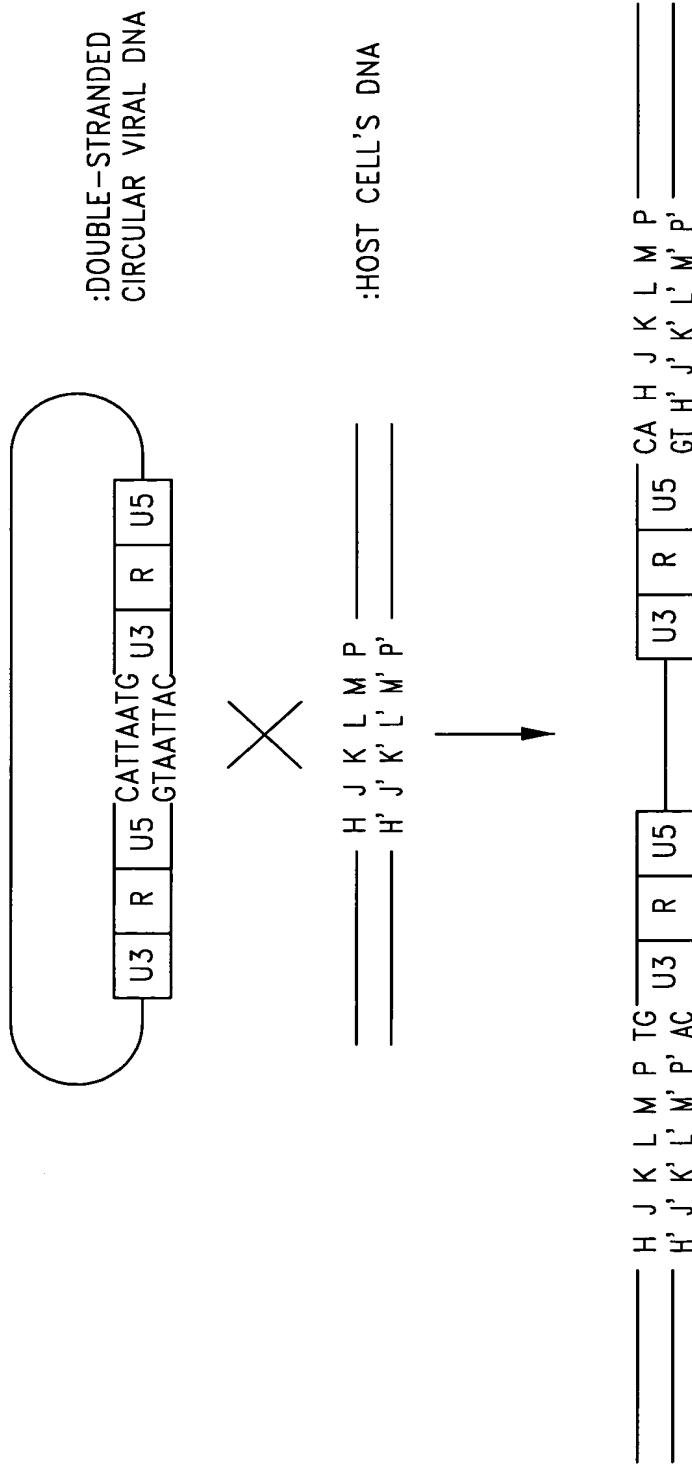
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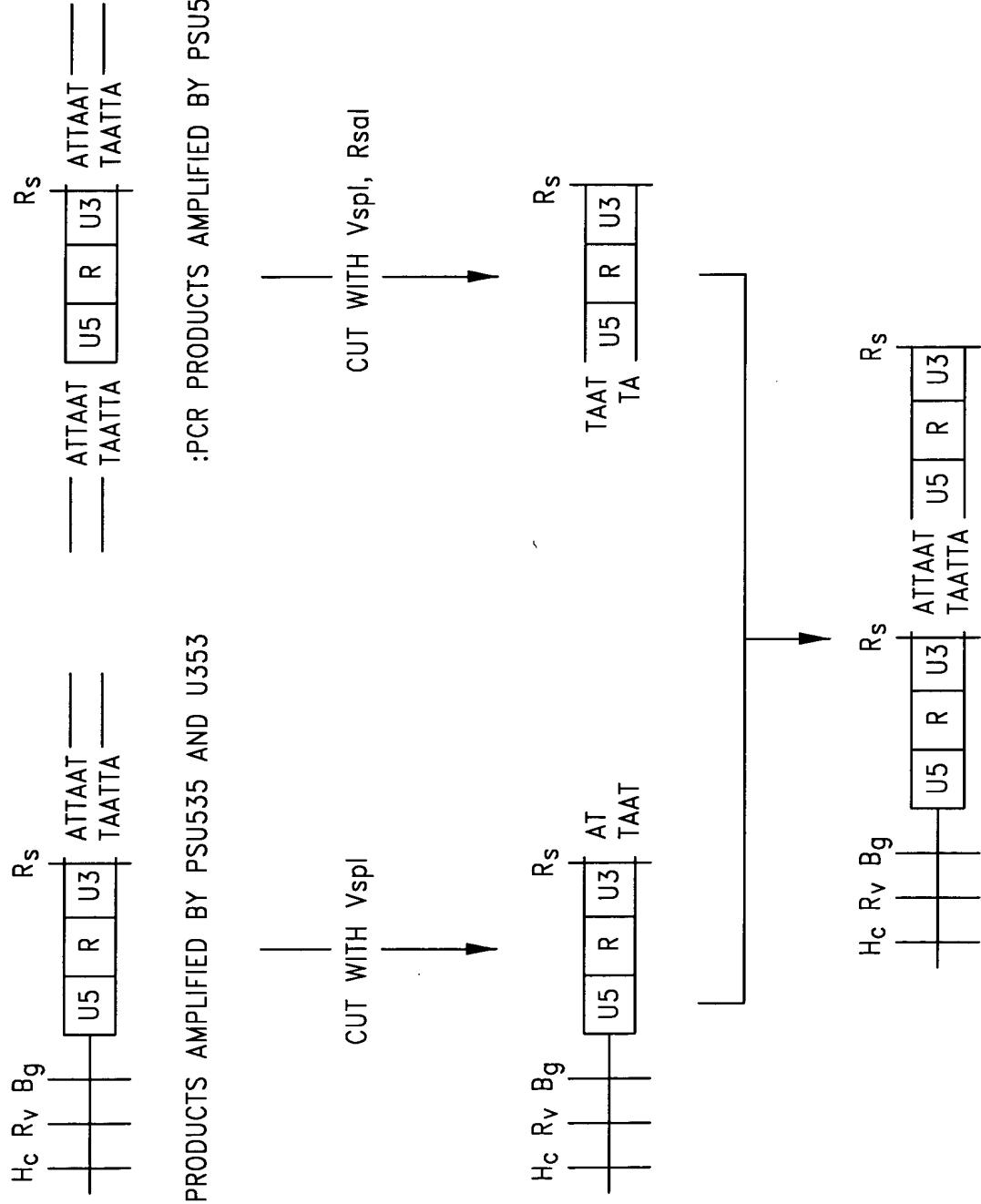


FIG. 2

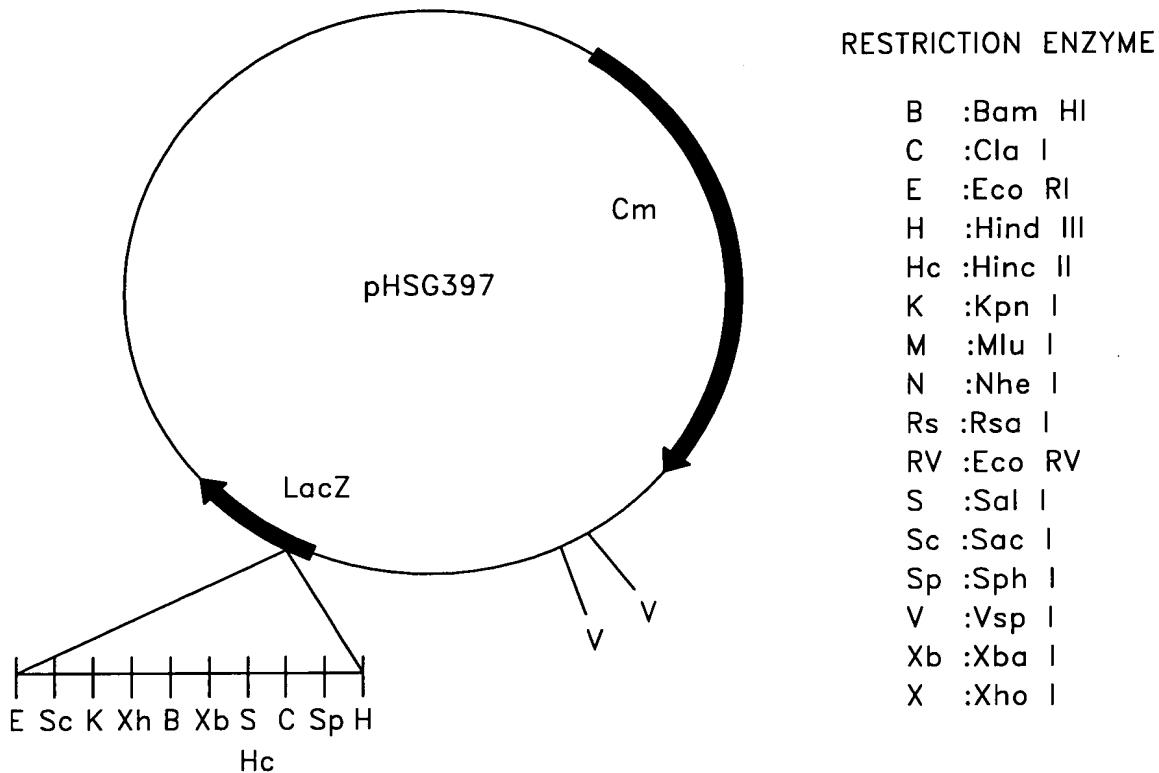


FIG. 3



RESTRICTION ENZYME

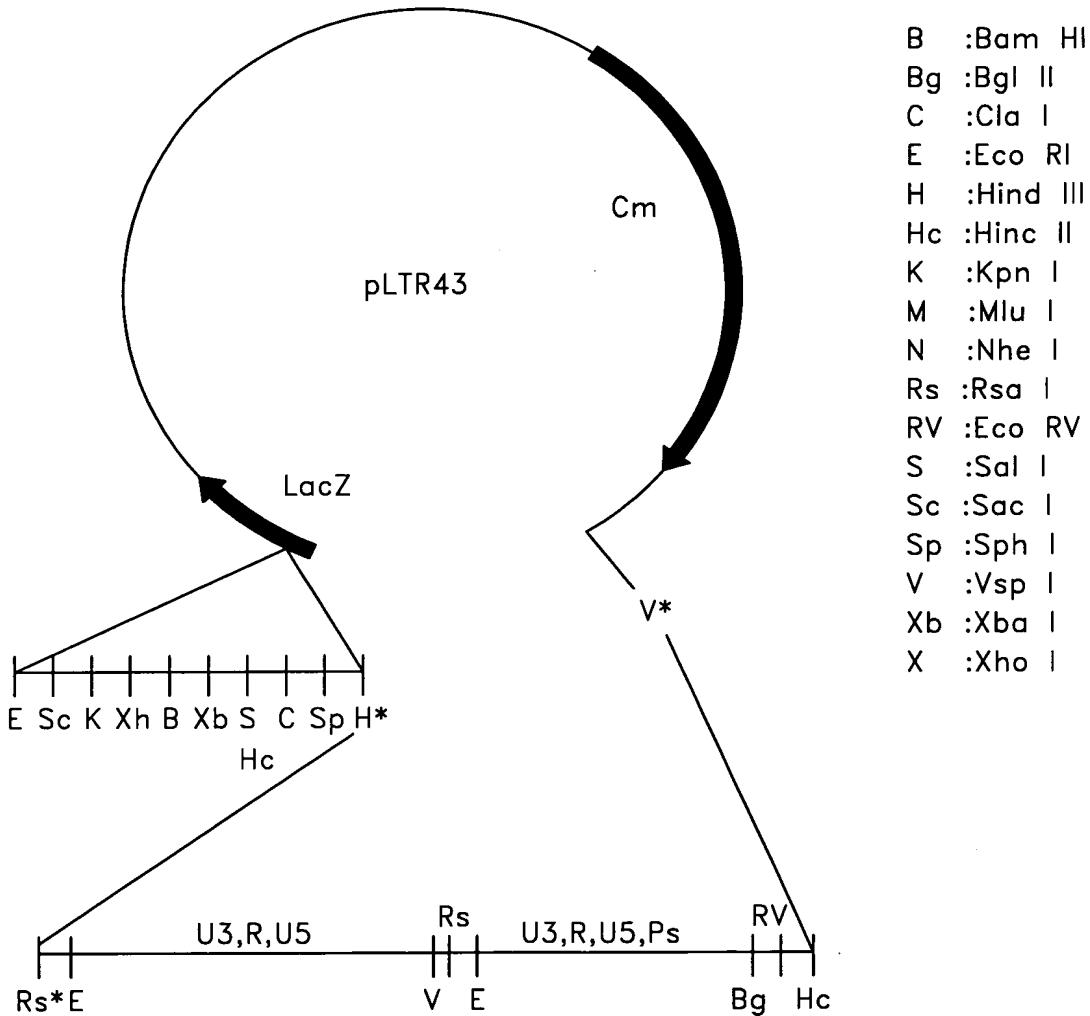


FIG. 4

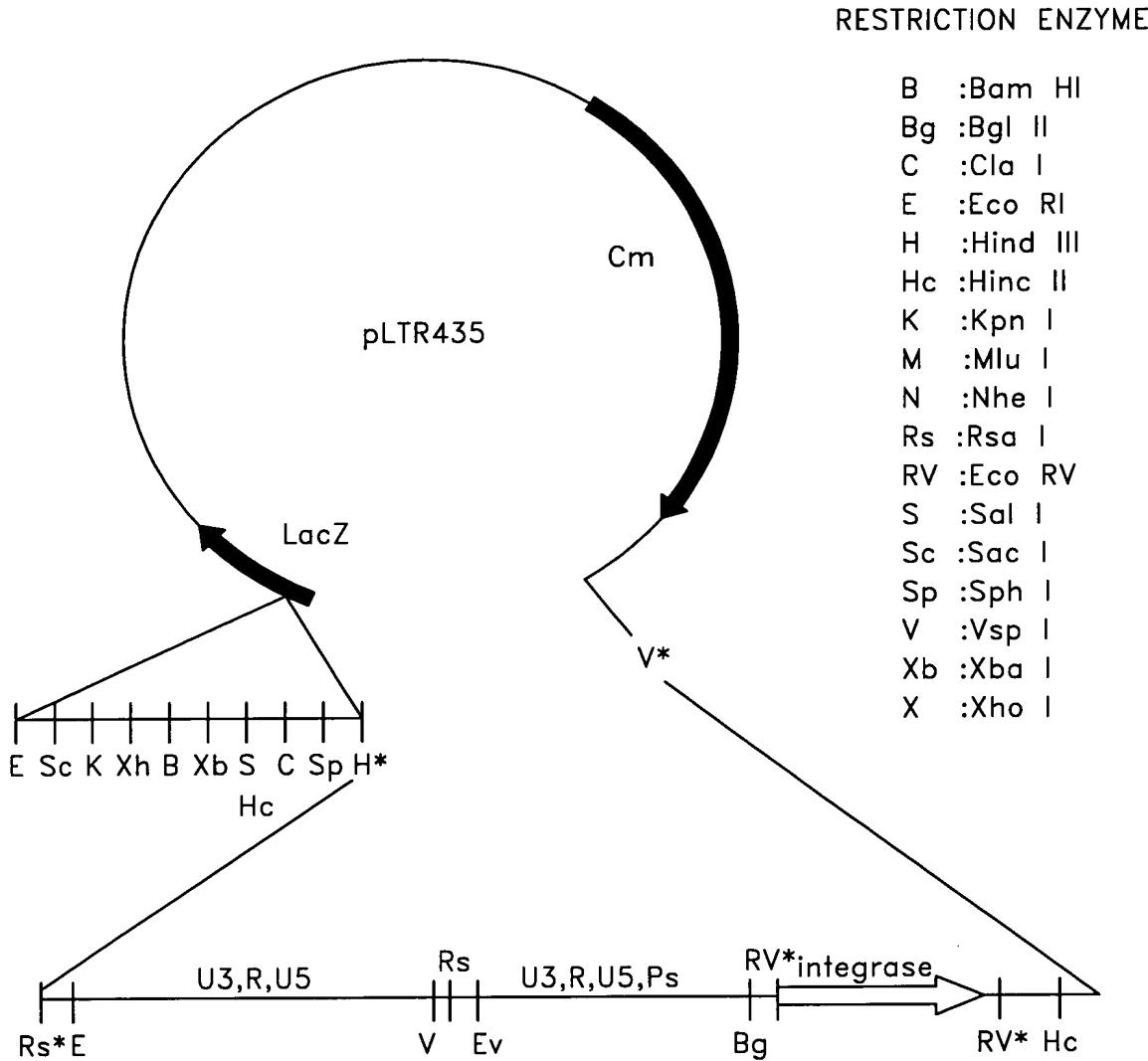


FIG. 5

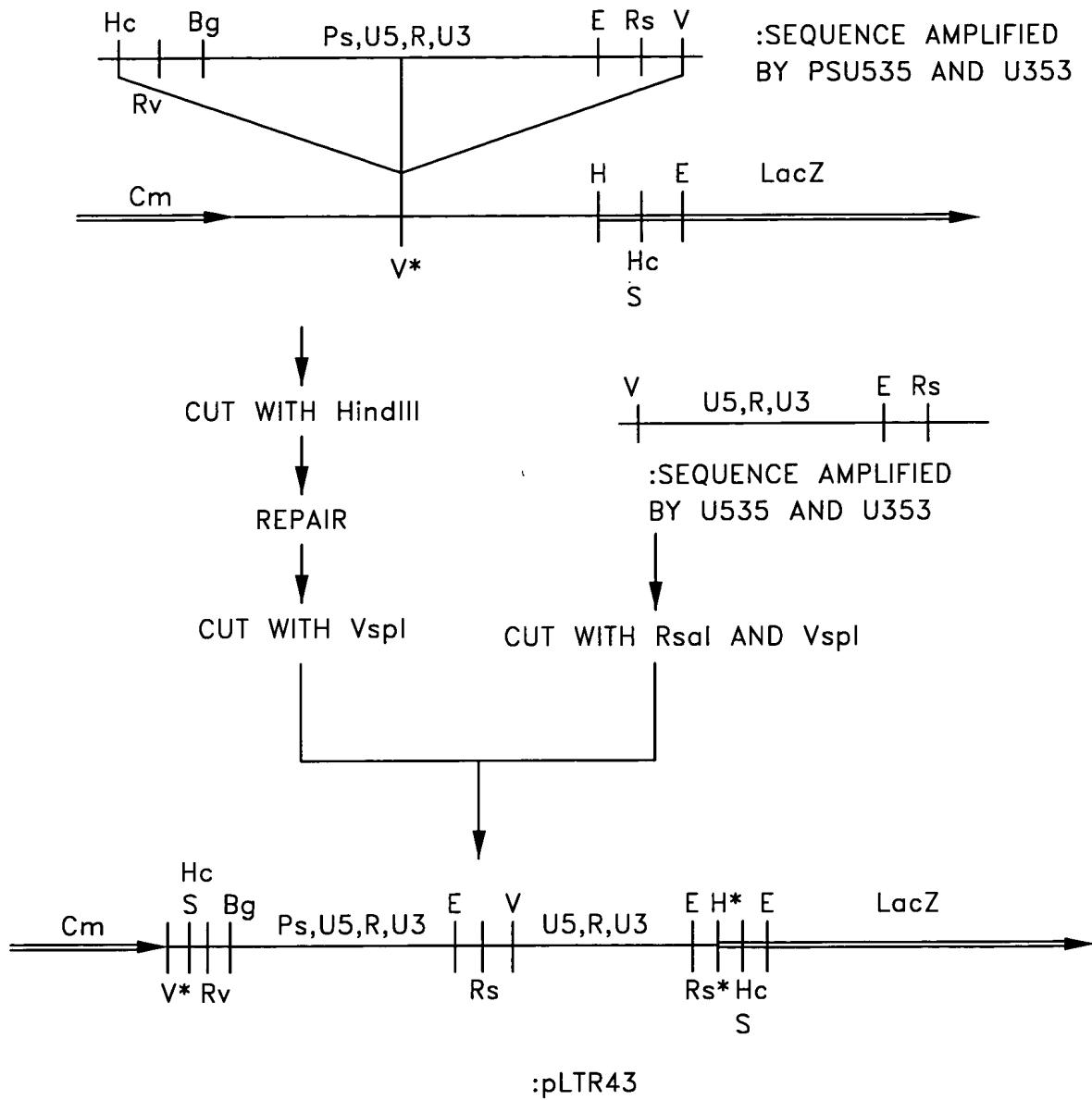
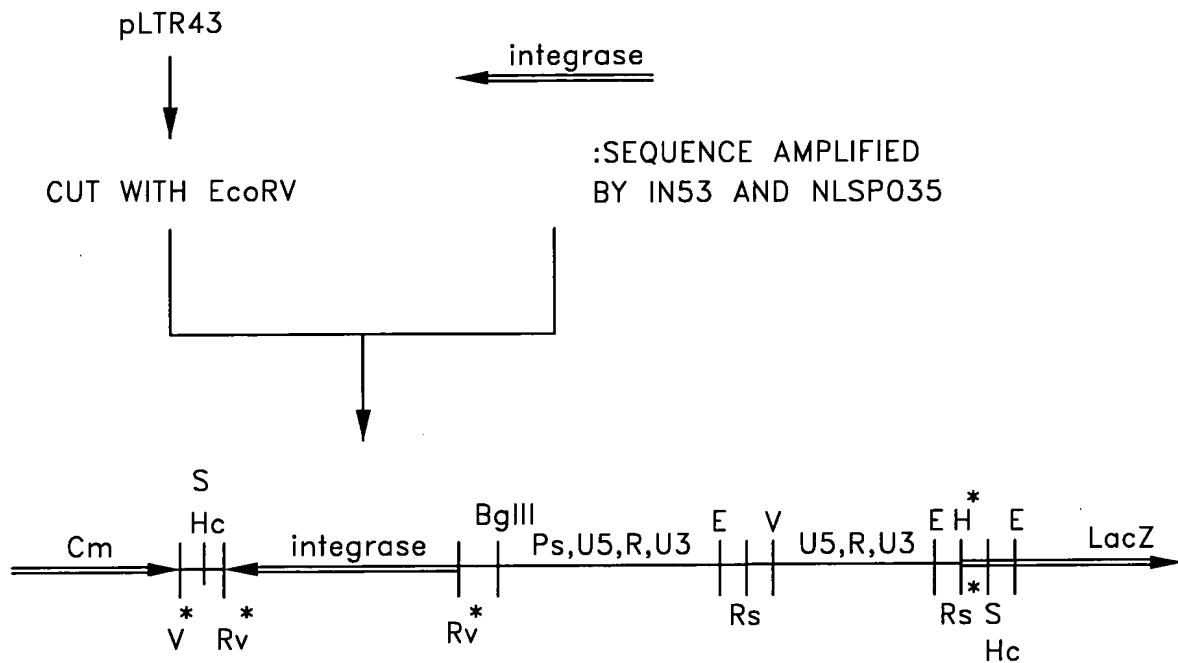


FIG. 6

RESTRICTION ENZYME

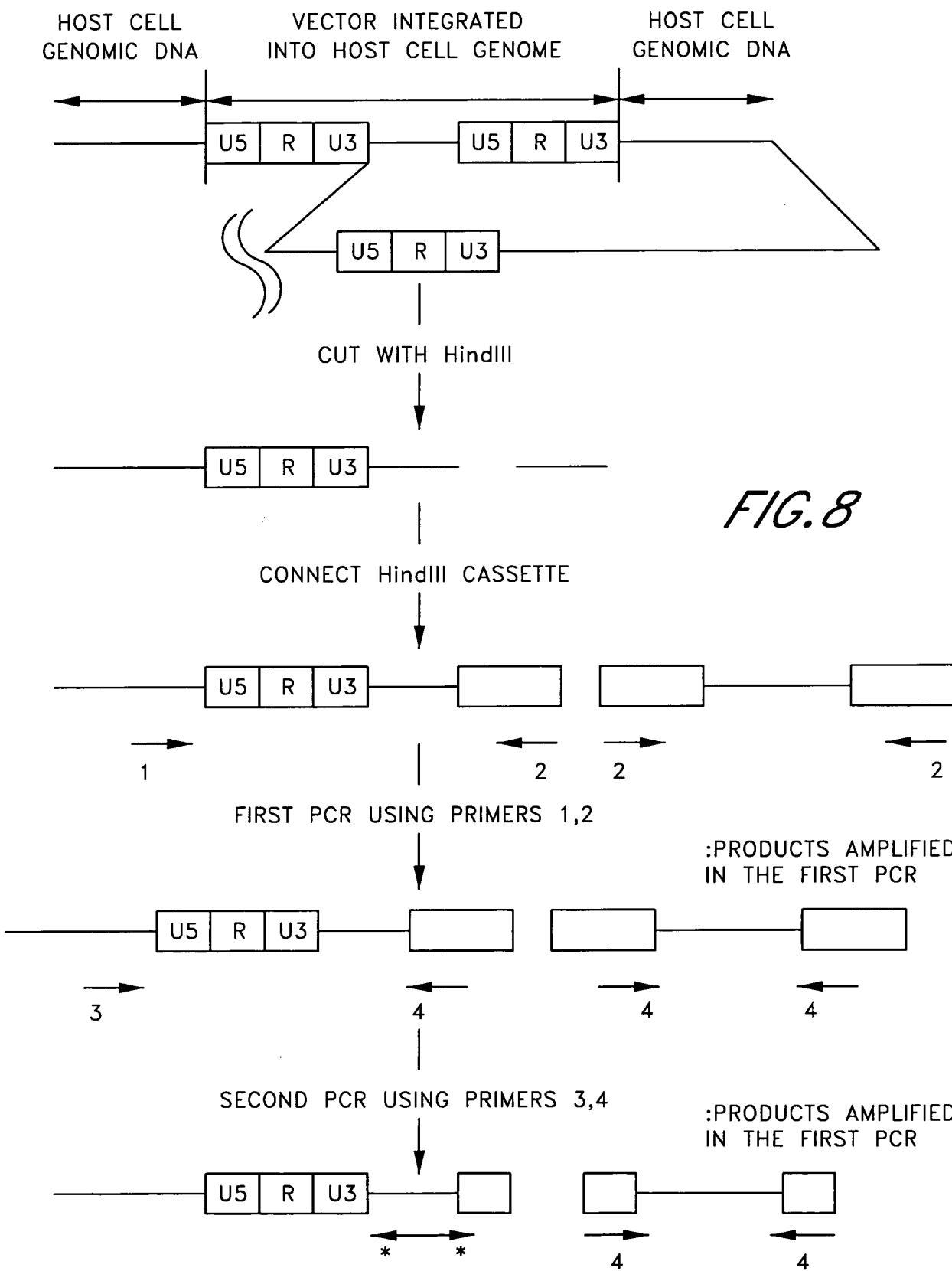
Bg	:Bgl II
E	:Eco RI
Rv	:EcoRV
Hc	:HincII
Rs	:Rsa I
S	:Sal I
V	:Vsp I



RESTRICTION ENZYME

FIG. 7

Bg	:BglIII
E	:EcoRI
Rv	:EcoRV
Hc	:HincII
H	:HindIII
Rs	:Rsal
S	:Sall
V	:Vspl



NOVEL PLASMID VECTOR

Katsumata, Atsushi et al.

Appl. No.:09/762,568 Atty. Docket: HIKARI.001APC

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INTRODUCED INTRODUCED

pLTR435 pLTR43

M 1 2 1 2

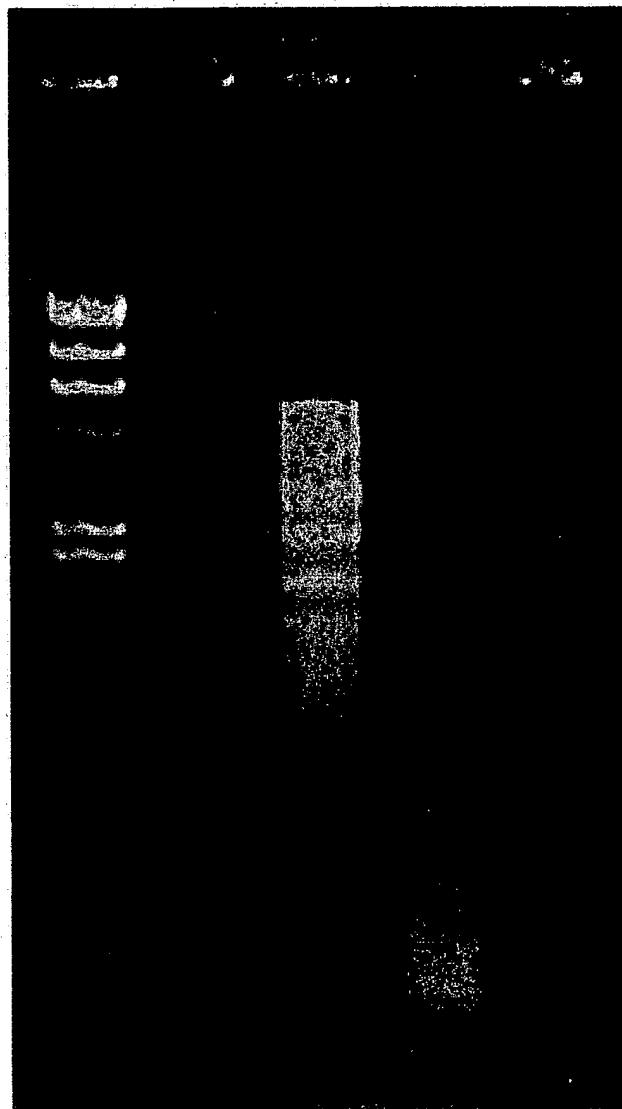


FIG. 9

NOVEL PLASMID VECTOR

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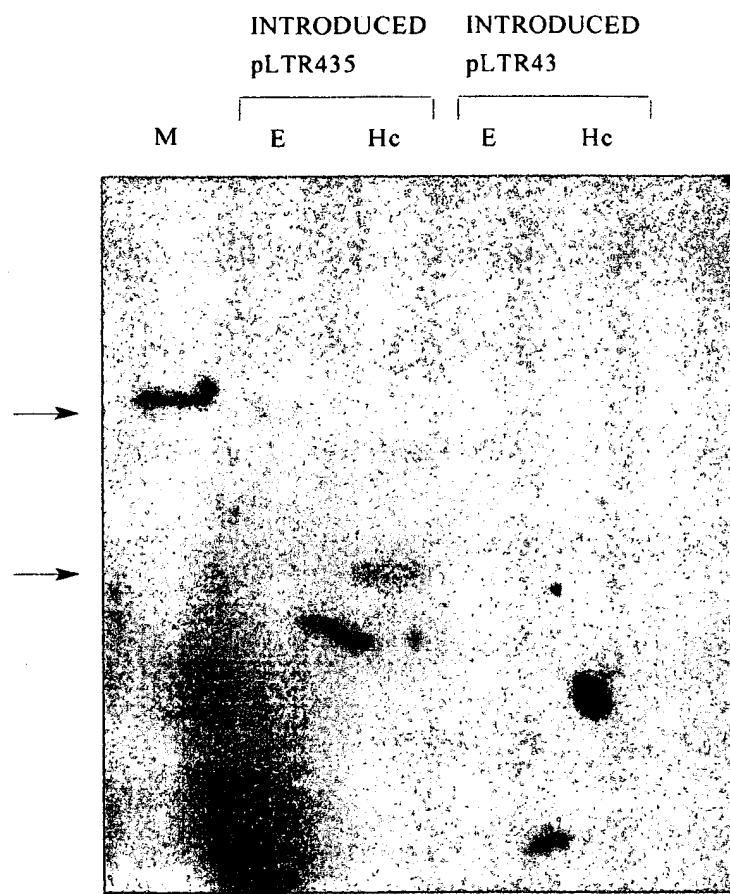


FIG. 10

NOVEL PLASMID VECTOR

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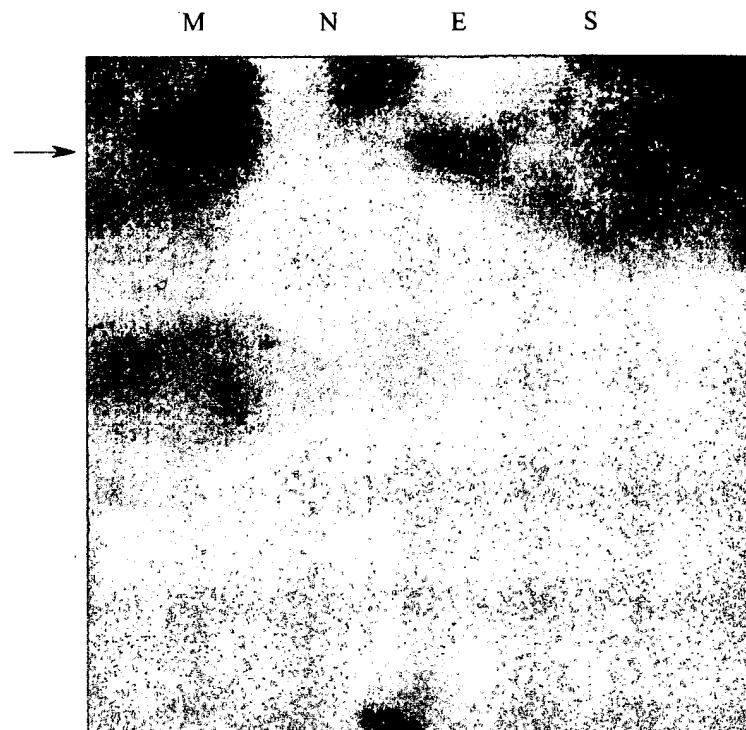


FIG. 11

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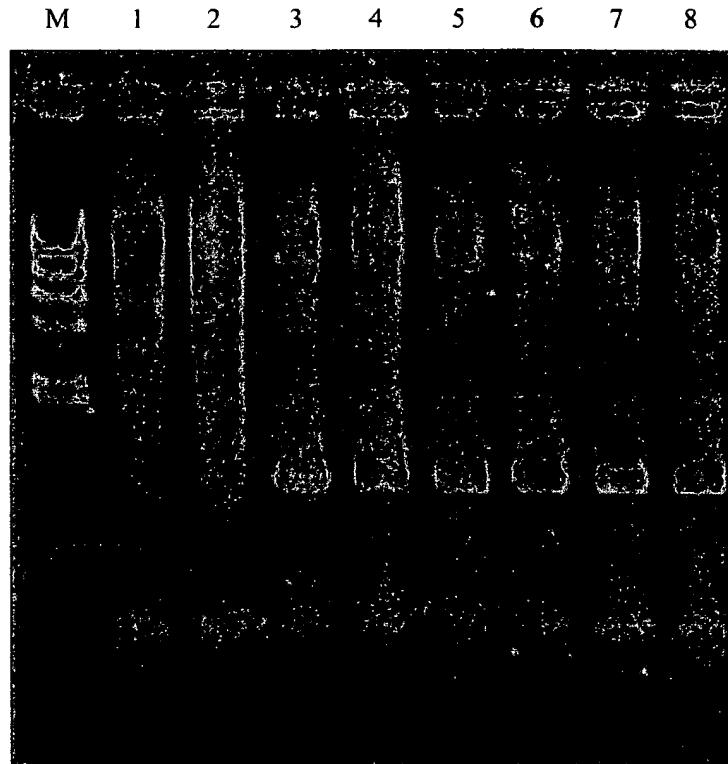


FIG. 12

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HindIII Cassette	1	TCGTTAGAACCGCGTAATA CGACTCACTATAGGGGA	36
clone 1	1	TCGTTAGAACCGCGTAATA CGACTCACTATAGGGGAAGCTTGAGGAATGCAGGGACTTG	60
clone 2	1	TCGTTAGAACCGCGTAATA CGACTCACTATAGGGGAAGCTTATGTTGCGATGTTGCA	60
clone 3	1	TCGTTAGAACCGCGTAATA CGACTCACTATAGGGGAAGCTTAACCAACACATCAACCCA	60
clone 4	1	TCGTTAGAACCGCGTAATA CGACTCACTATAGGGGAAGCTTACACACTTTAATTGAGAGC	60
			120
HindIII Cassette	36	CATTGACTTGCAGGGGCTGAGGGCAAAGGTTTCGGTGCACCAAGCTGGGATGCC	120
clone 1	61	CTTGAAGGATAAGACGTGGATCTAGAGAGTAATGGCTTTCTCCTCTGATGTT	120
clone 2	61	TCNTTTTTAGTCAGTCACAGTTGAACCTTTCAACTGTTCAAGAAAGCTTC	120
clone 3	61	CTTCTGGTTTATGAGAAGATCCAGACATCCAGACATTTGGTTAGAATGCACTTCTAGCCCT	120
clone 4	61		120
			138
HindIII Cassette			
clone 1	121	CTGTGCTCTGGGATGTTGAT	142
clone 2	121	GCAGGGTATAACATGTACAGCT	142
clone 3	121	CTG	123
clone 4	121	CAGGGCAGGAGATTAAAT	138

FIG. 13

NOVEL PLASMID VECTOR

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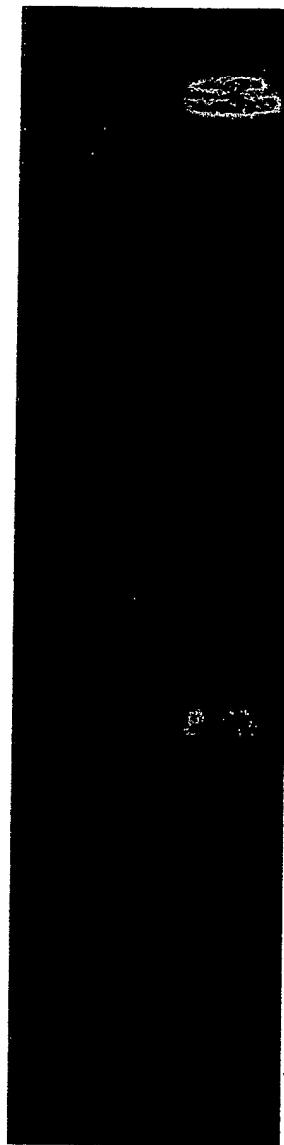


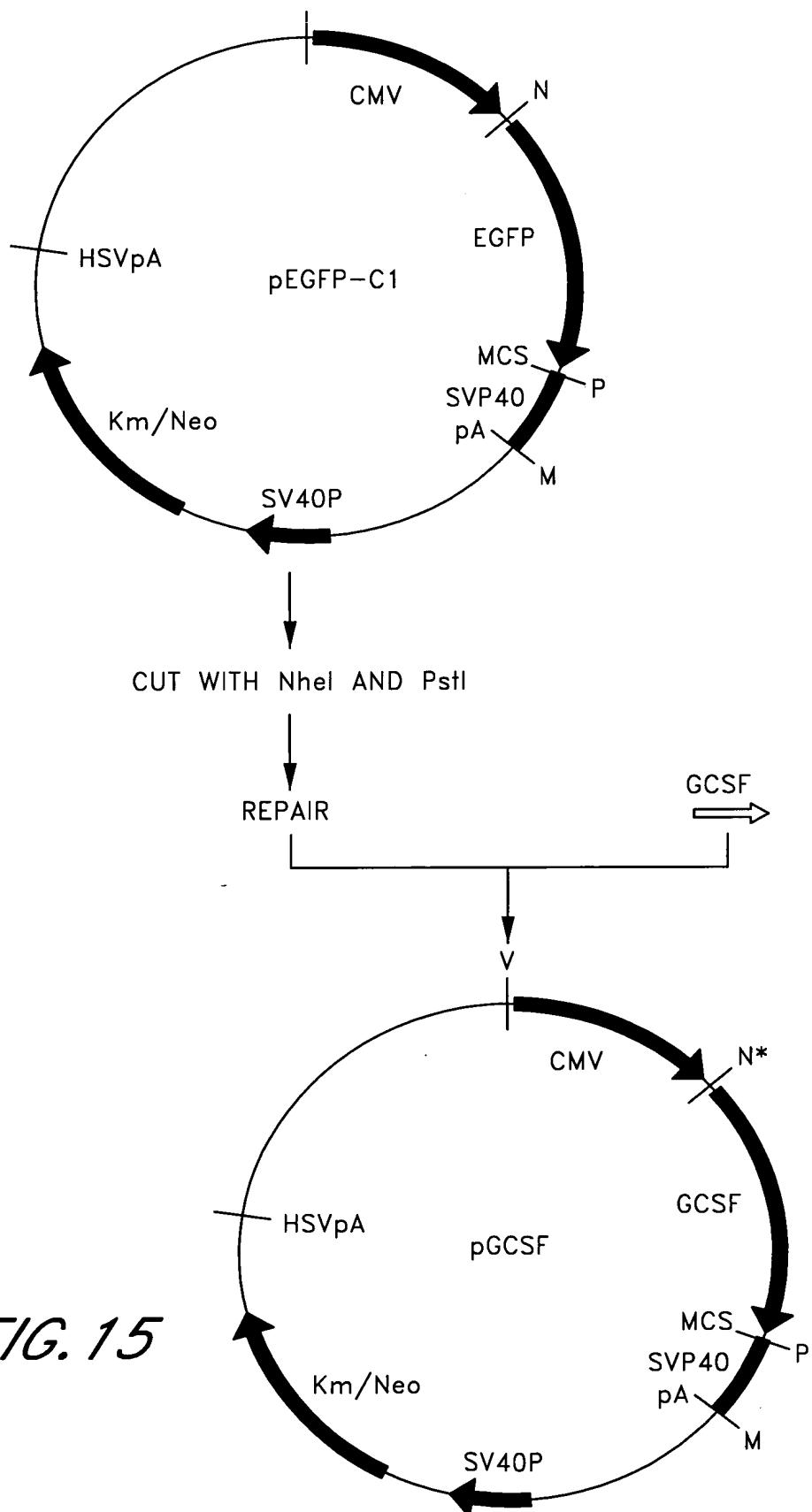
FIG. 14

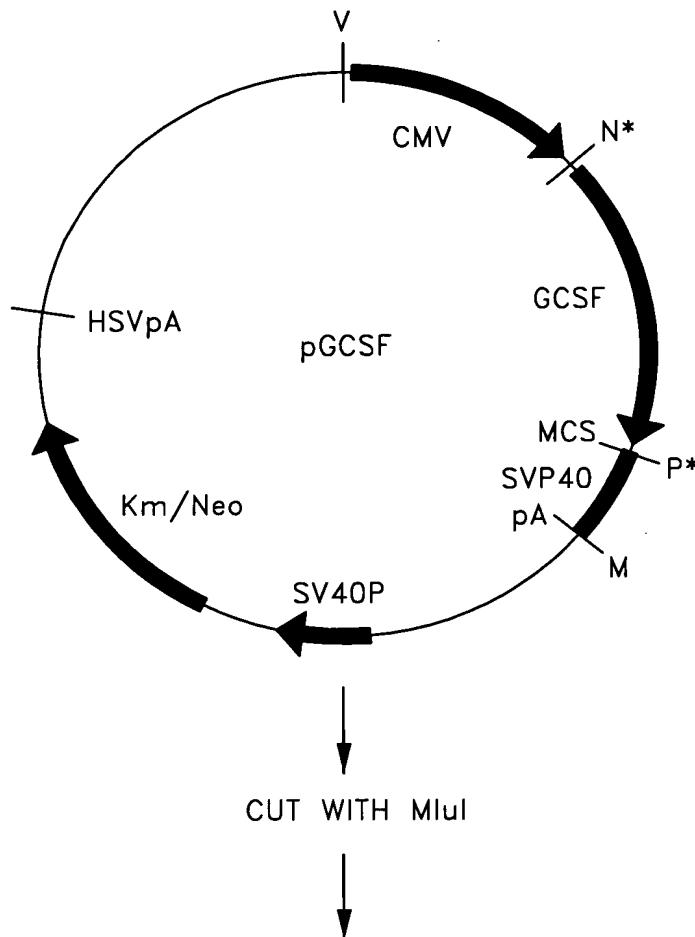


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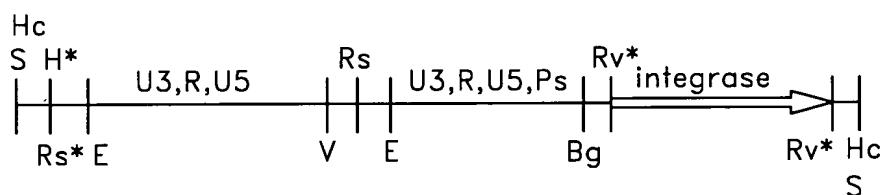
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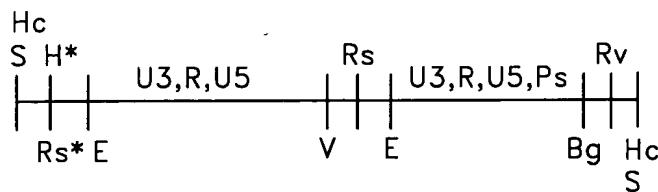


RESTRICTION ENZYME

B	:Bam HI
Bg	:Bgl II
C	:Cla I
E	:Eco RI
H	:Hind III
Hc	:Hinc II
K	:Kpn I
M	:Mlu I
N	:Nhe I
Rs	:Rsa I
RV	:Eco RV
S	:Sal I
Sc	:Sac I
Sp	:Sph I
V	:Vsp I
Xb	:Xba I
X	:Xho I



OR



ARE CONNECTED

FIG. 16

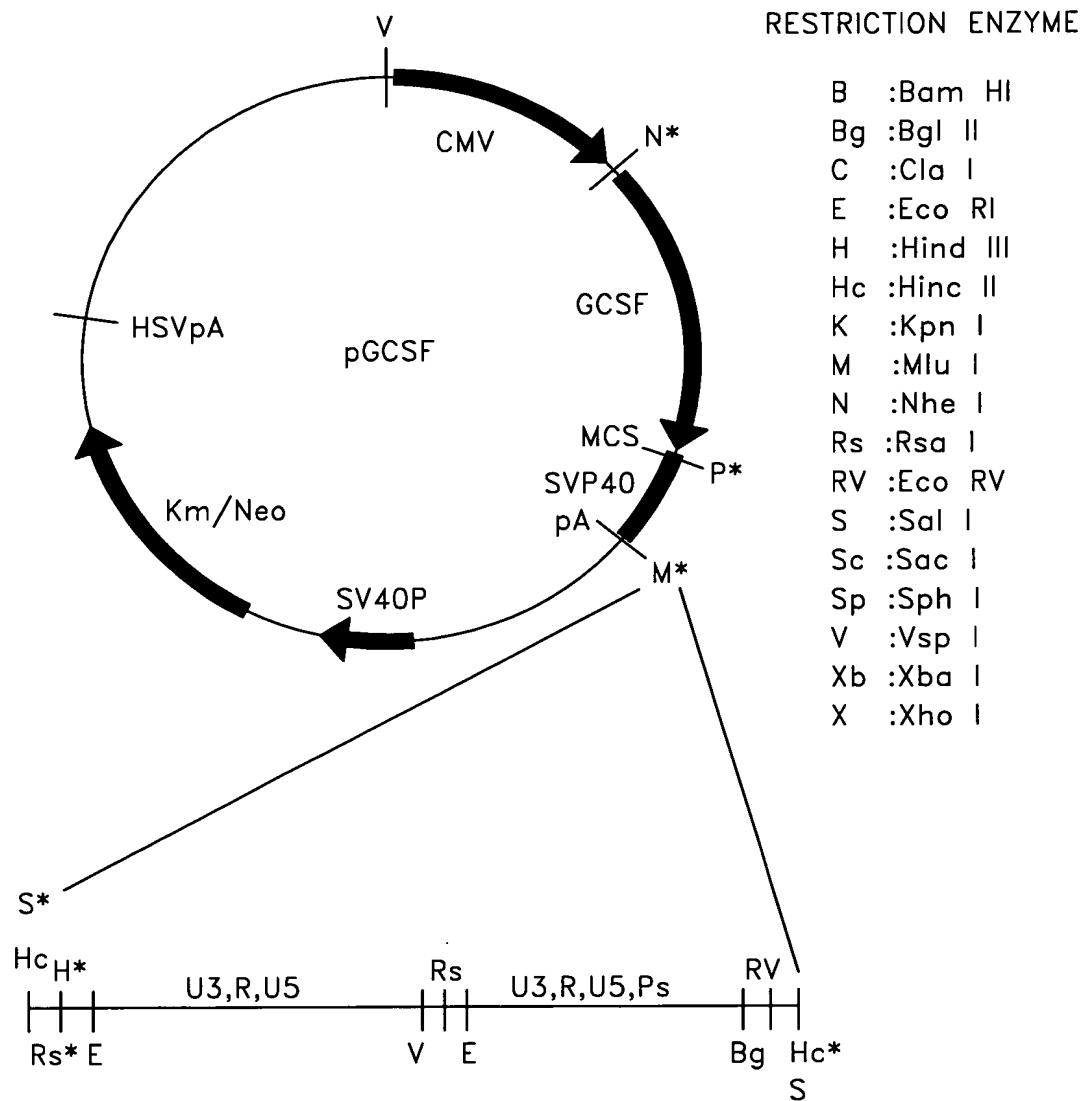


FIG. 17

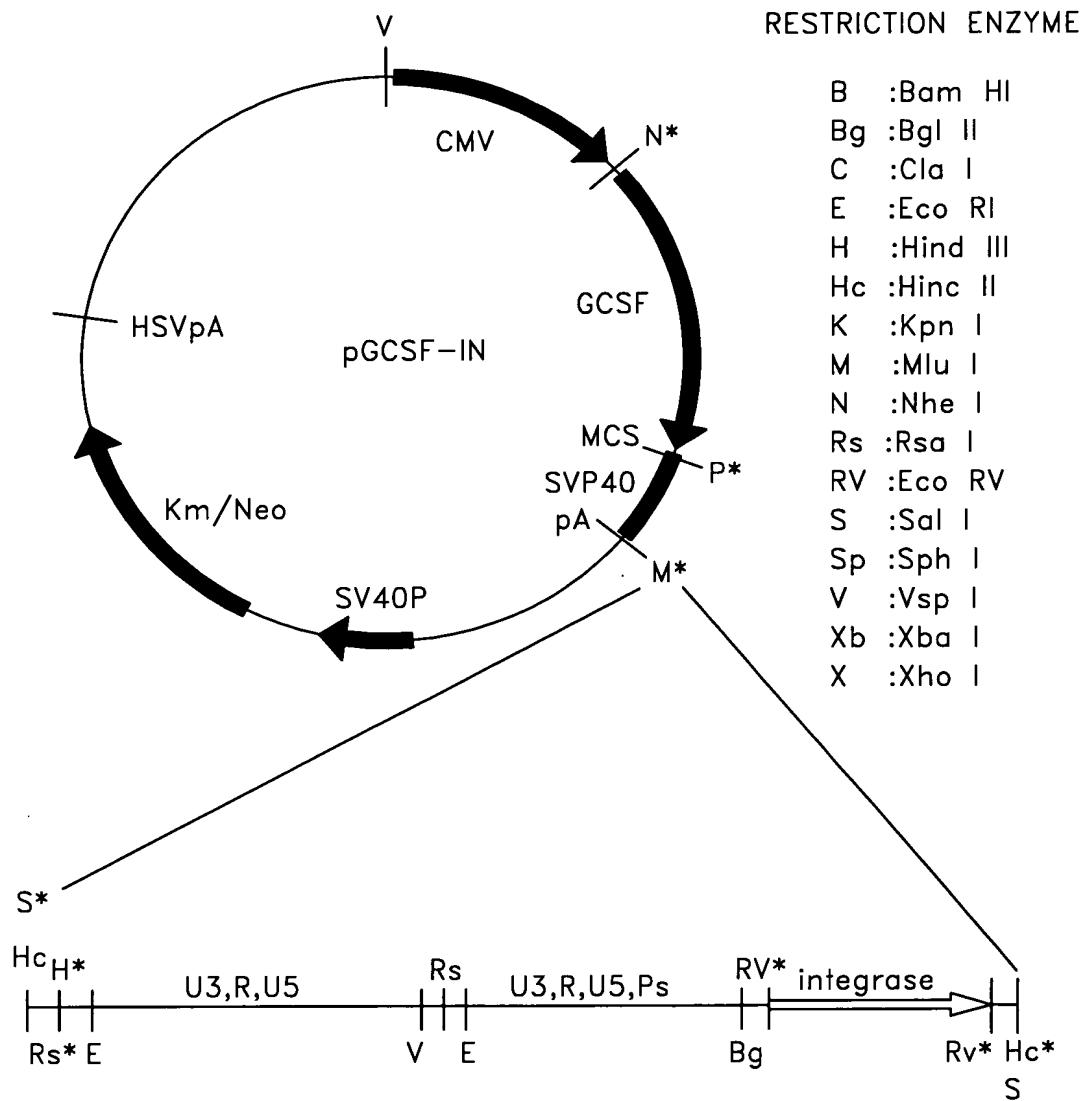


FIG. 18



RESTRICTION ENZYME

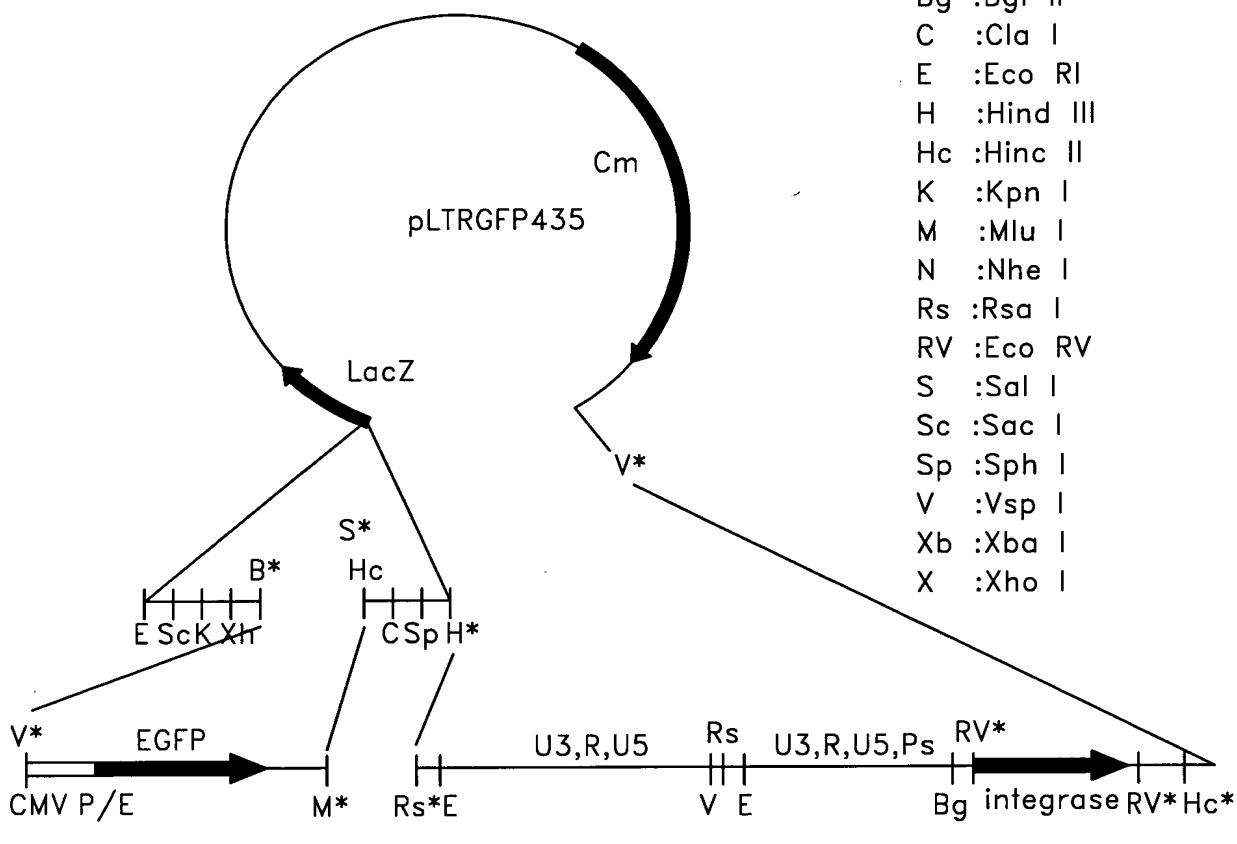


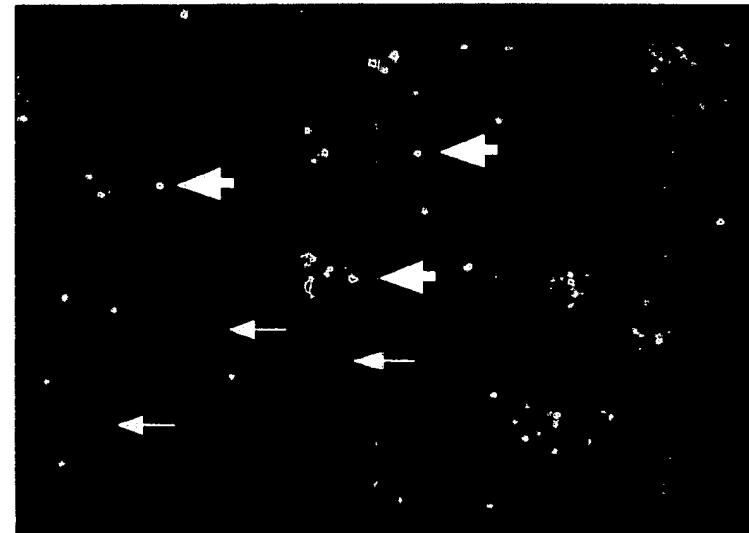
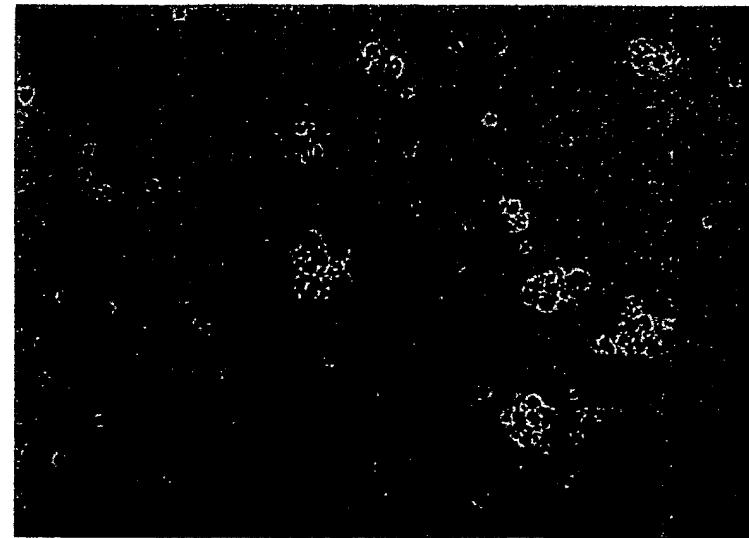
FIG. 19



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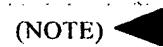
(NOTE)  " BOLD ARROW " INDICATES TYPICAL GFP
POSITIVE CELLS
 " NORMAL ARROW " INDICATES TYPICAL GFP
NEGATIVE CELLS

FIG.20

NOVEL PLASMID VECTOR

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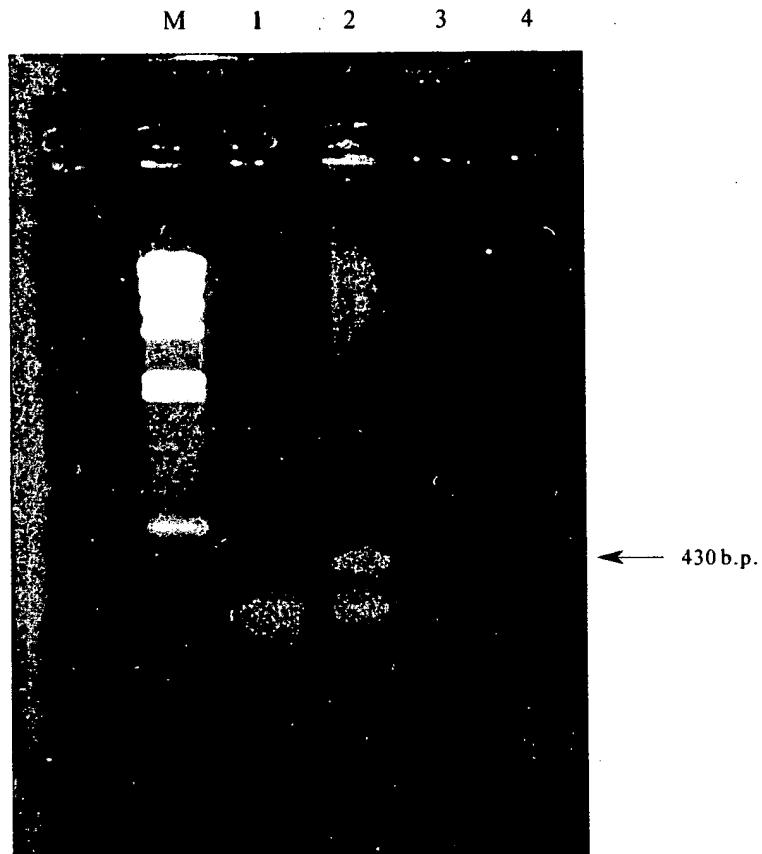


FIG. 21

NOVEL PLASMID VECTOR

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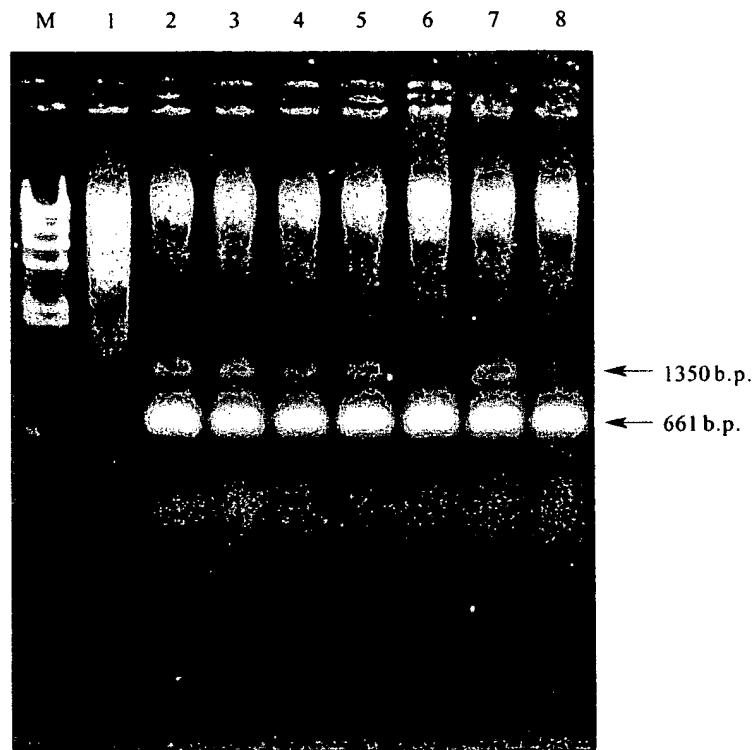


FIG. 22



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RESTRICTION ENZYME

A	:APa	LI
B	:Bam	HI
Bg	:Bgl	II
C	:Cla	I
E	:Eco	RI
H	:Hind	III
Hc	:Hinc	II
K	:Kpn	I
M	:Mlu	I
N	:Nhe	I
P	:Pst	I
Rs	:Rsa	I
RV	:Eco	RV
S	:Sal	I
Sc	:Sac	I
Sp	:Sph	I
V	:Vsp	I
Xb	:Xba	I
X	:Xho	I

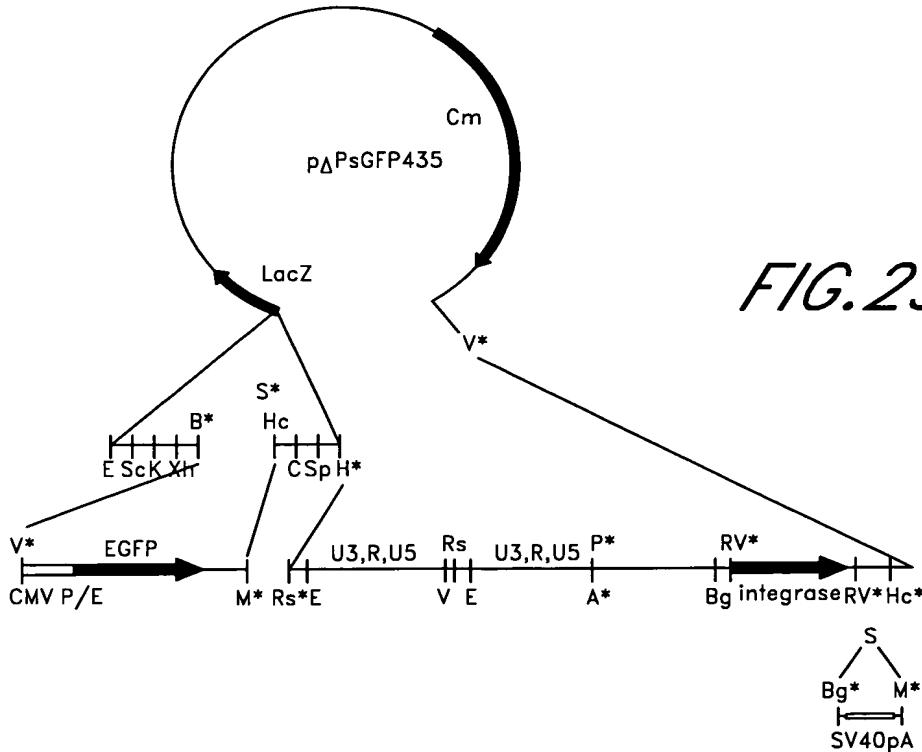
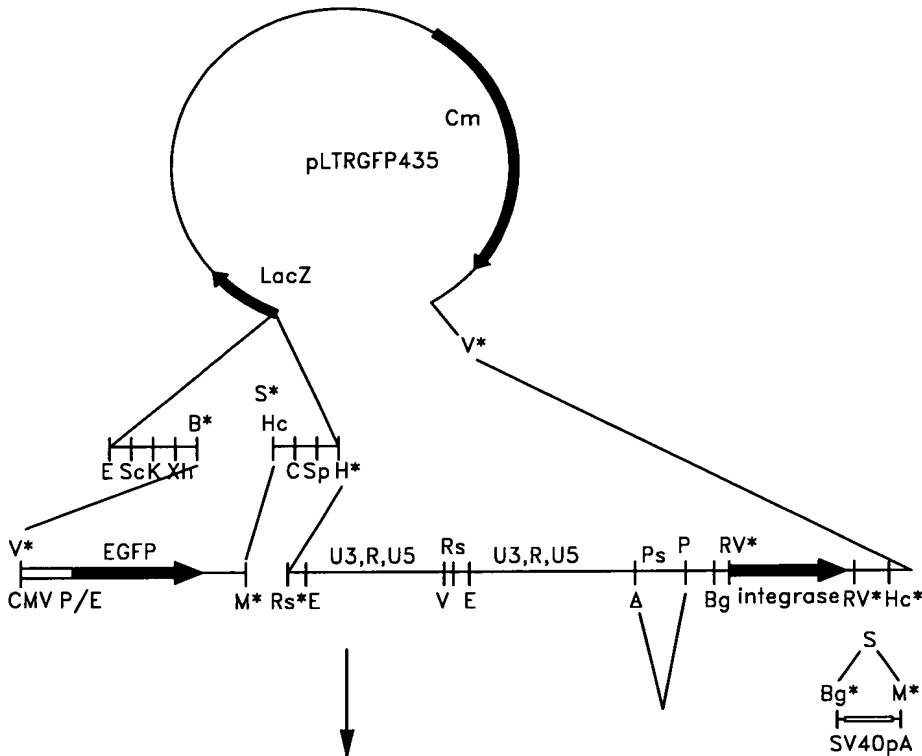


FIG.23



RESTRICTION ENZYME

B	:Bam HI
Bg	:Bgl II
C	:Cla I
E	:Eco RI
H	:Hind III
Hc	:Hinc II
K	:Kpn I
M	:Mlu I
N	:Nhe I
Rs	:Rsa I
RV	:Eco RV
S	:Sal I
Sc	:Sac I
Sp	:Sph I
V	:Vsp I
Xb	:Xba I
X	:Xho I

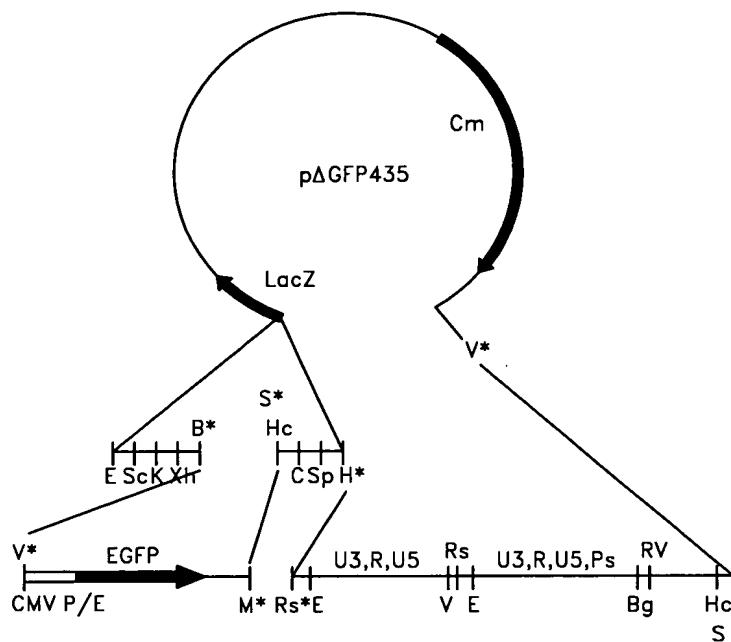


FIG.24

NOVEL PLASMID VECTOR

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M 1 2 3

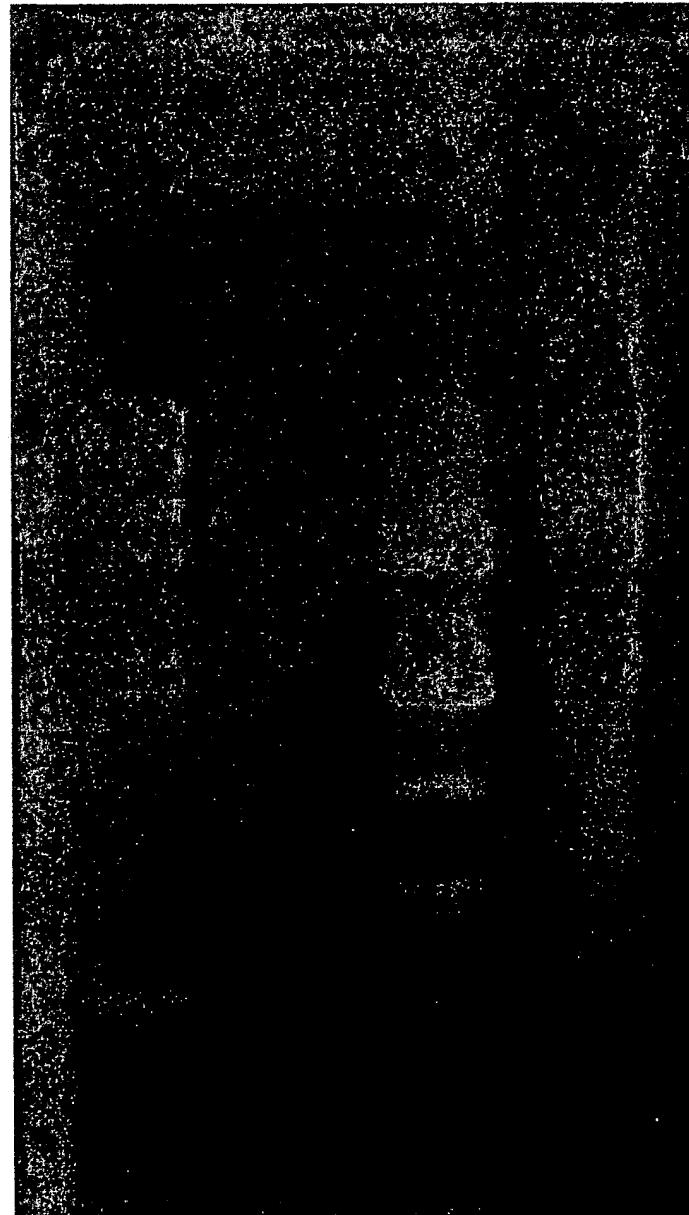


FIG. 25



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NOVEL PLASMID VECTOR

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M 1 2 3

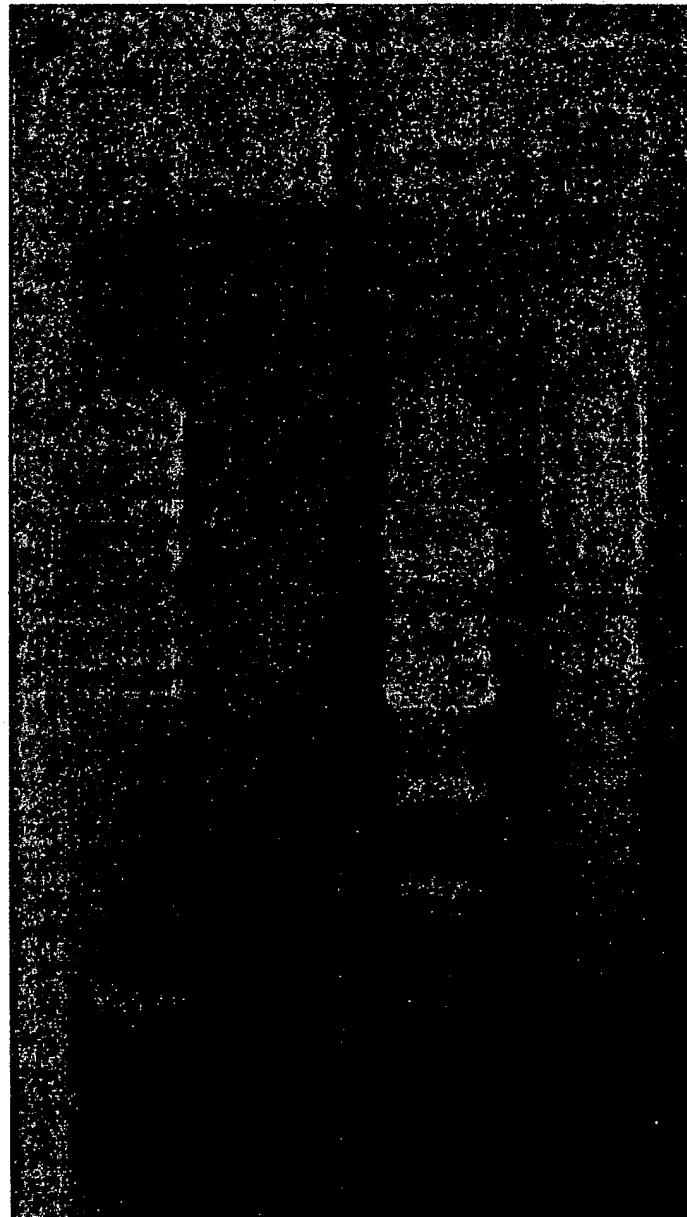


FIG. 25



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